


WHAT IS CLAIMED IS:

 1. A discharge electrodes connecting structure for a laser apparatus comprising:

a pair of anode and cathode provided within a laser chamber for sealing a laser gas in an opposing manner, generating a discharge so as to excite a laser gas flowing therebetween and oscillating a laser beam;

a conductive anode base holding the anode;

an insulative cathode base holding the cathode; and

a return plate electrically connecting the anode base to said laser chamber so as to supply a current to the anode and having a thickness of equal to or more than 100 μm and equal to or less than 500 μm .

2. A laser apparatus comprising:

a laser chamber sealing a laser gas;

discharge electrodes constituted by a pair of anode and cathode provided within the laser chamber in an opposing manner, generating a discharge so as to excite a laser gas flowing therebetween and oscillating a laser beam;

a conductive anode base holding the anode;

an insulative cathode base holding the cathode; and

a return plate electrically connecting the anode base to said laser chamber so as to supply a current to the anode

wherein a thickness (t) of the return plate is set to be equal to or more than 100 μm and equal to or less than 500

μm , and the return plate is arranged substantially in parallel to a gas flow of the laser gas flowing between said discharge electrodes.